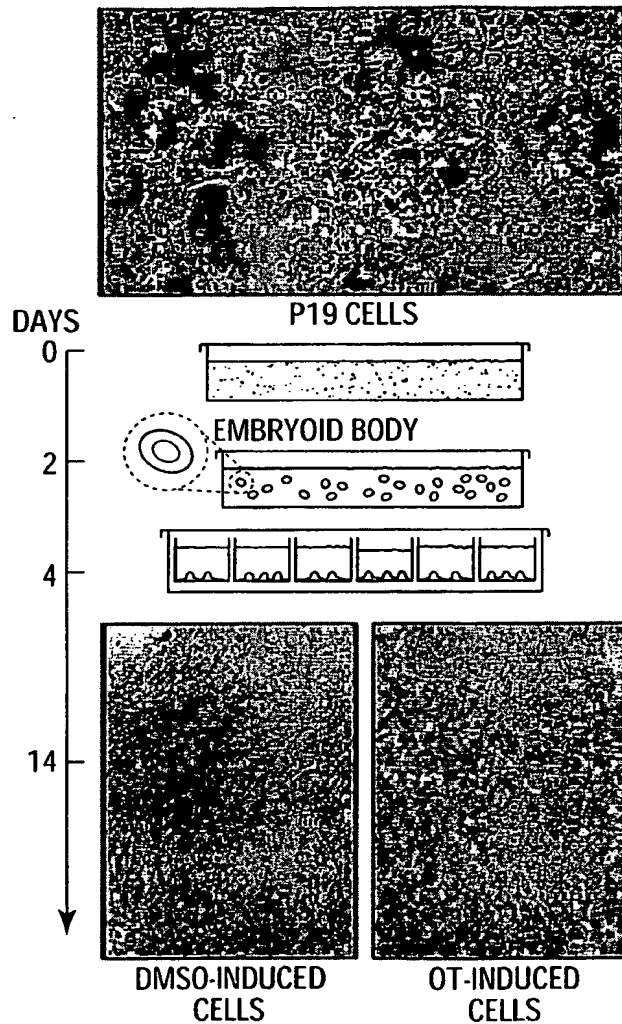
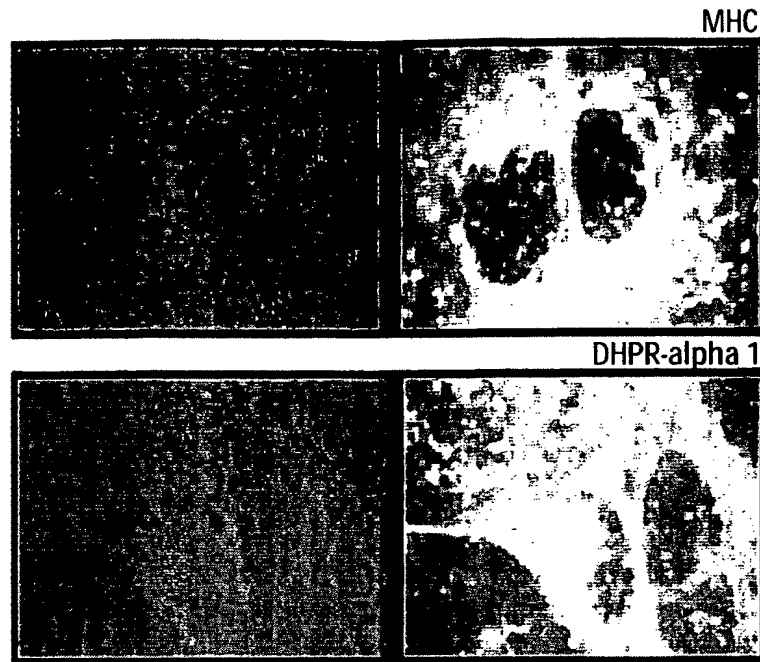
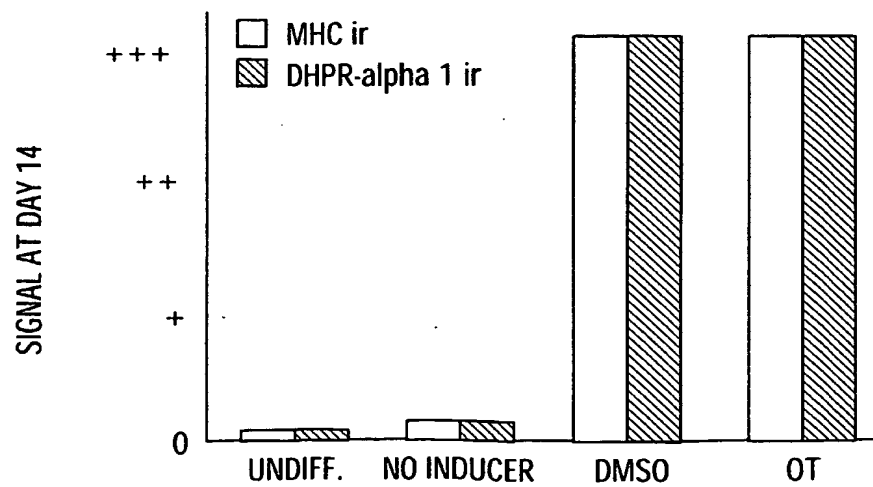


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**FIG. 1**

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**FIG. 2A****FIG. 2B**

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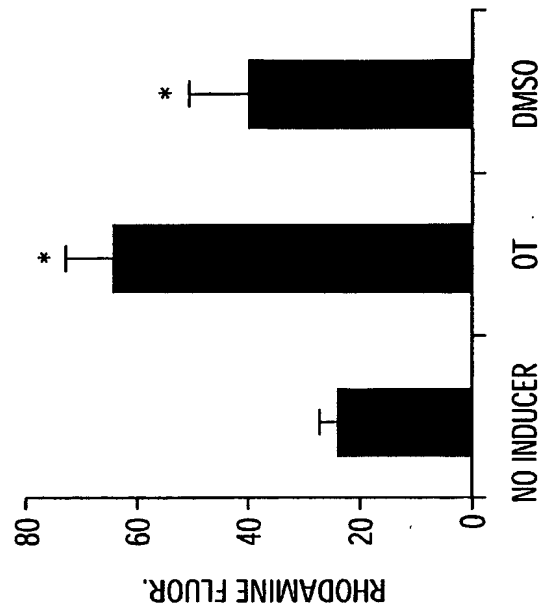


FIG. 3A

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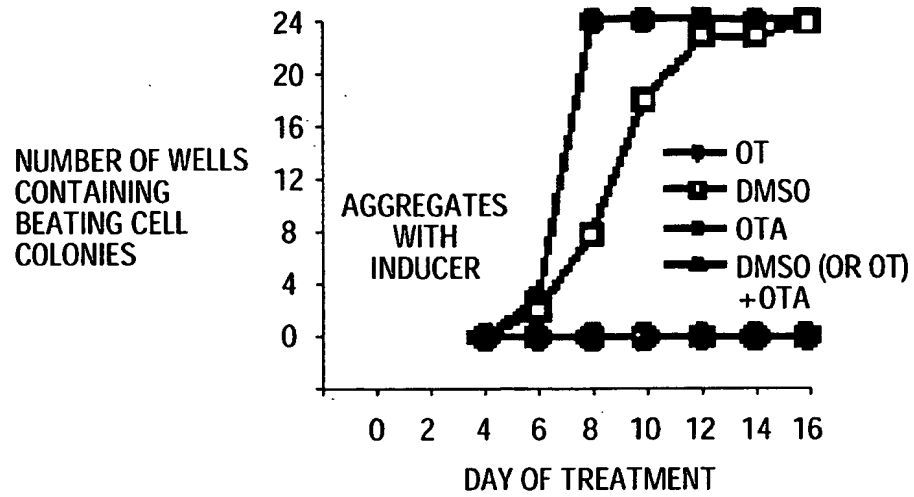


FIG. 3B

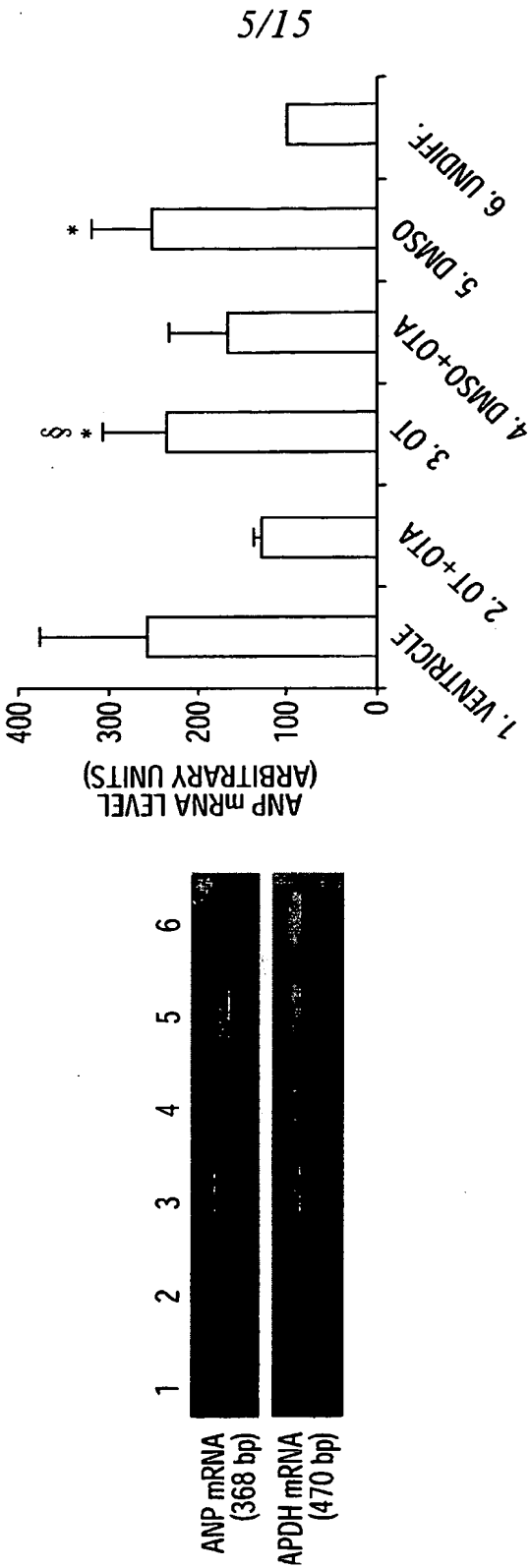


FIG. 3C

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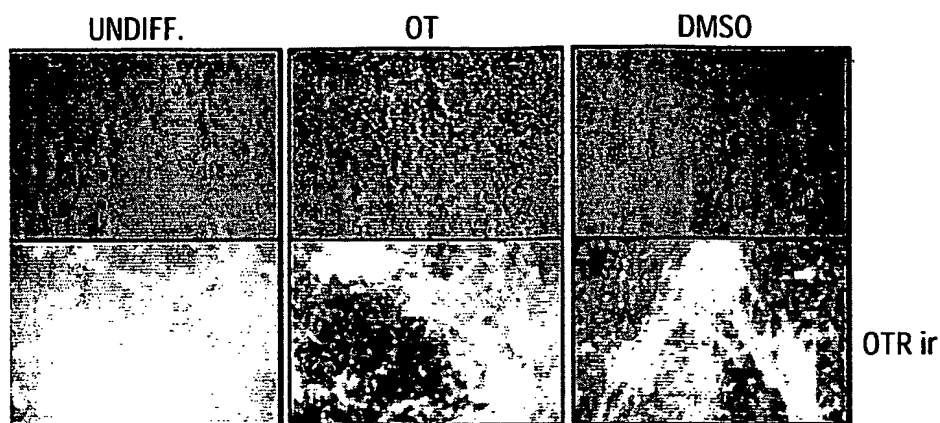


FIG. 4A

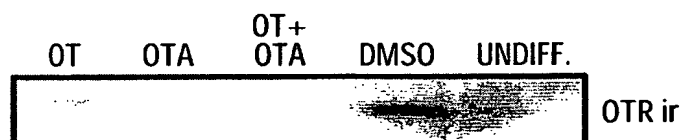


FIG. 4B

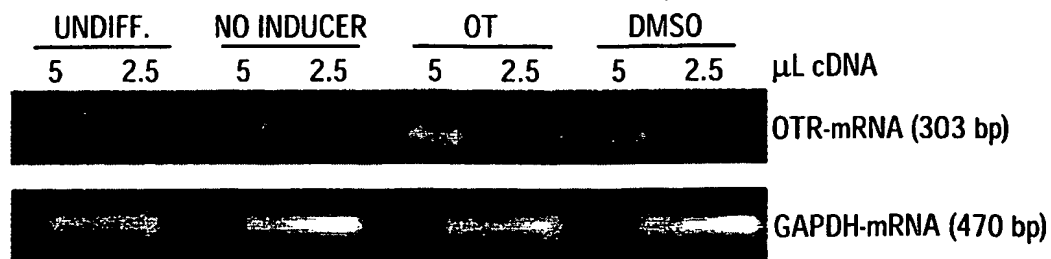


FIG. 4C

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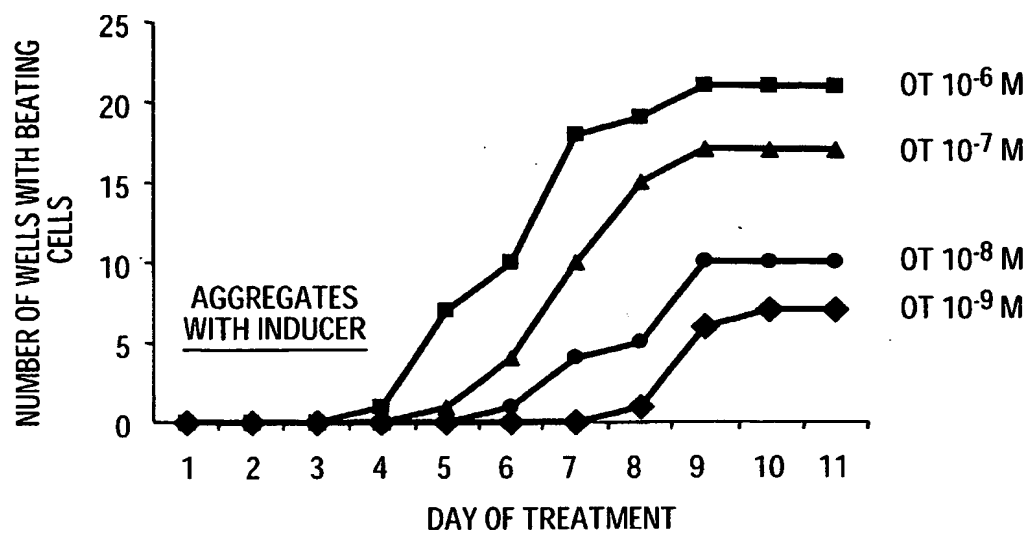


FIG. 5A

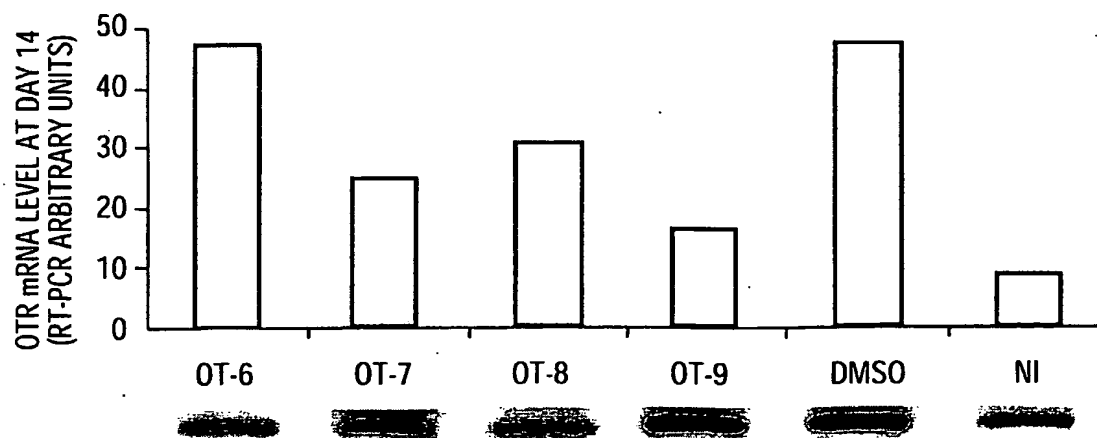


FIG. 5B

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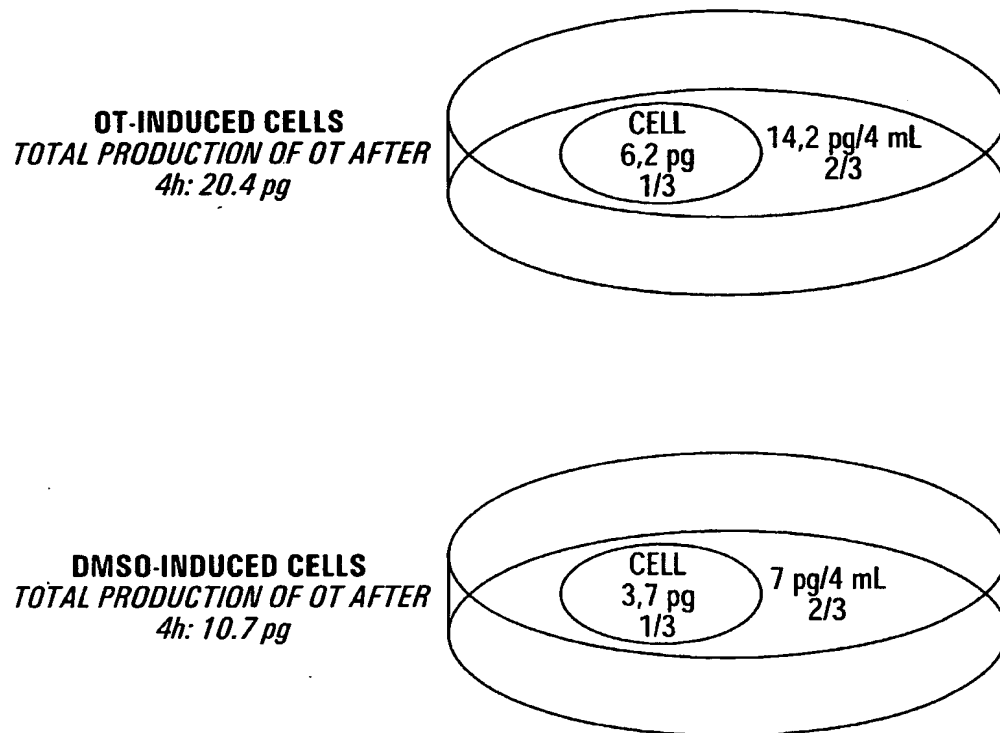


FIG. 6

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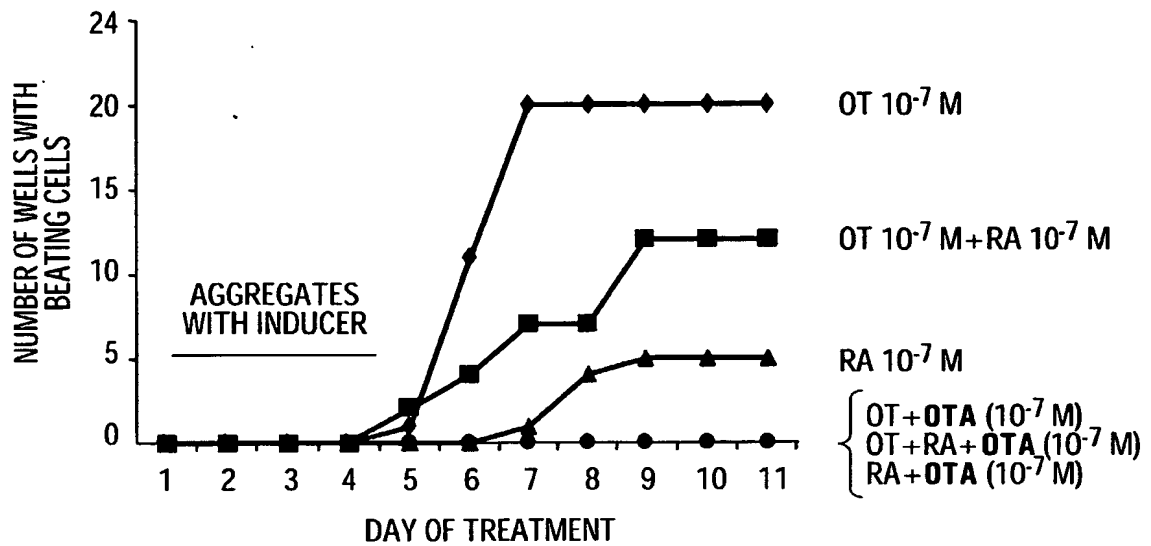


FIG. 7A

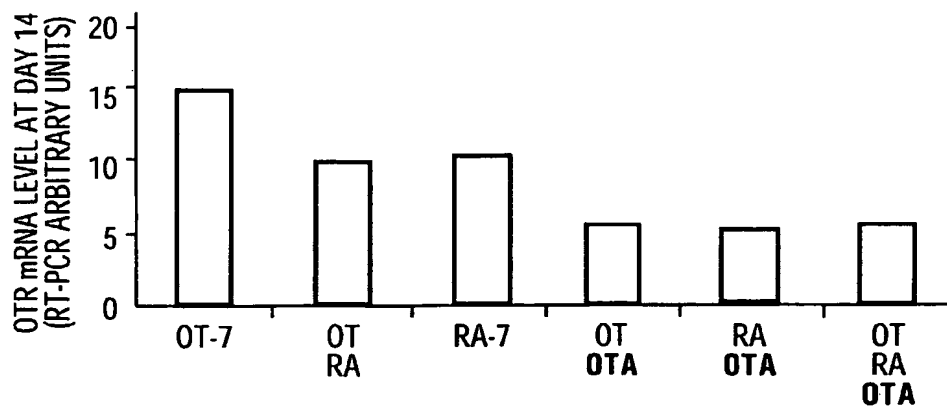


FIG. 7B

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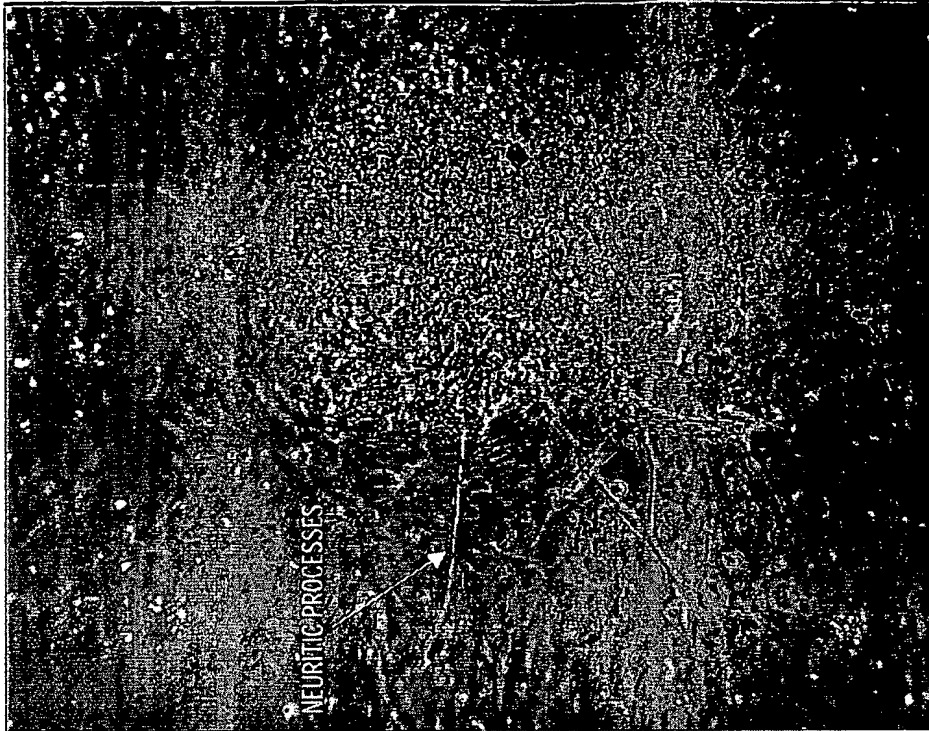
RA 10^{-8} M + OTA 10^{-7} M

FIG. 8B

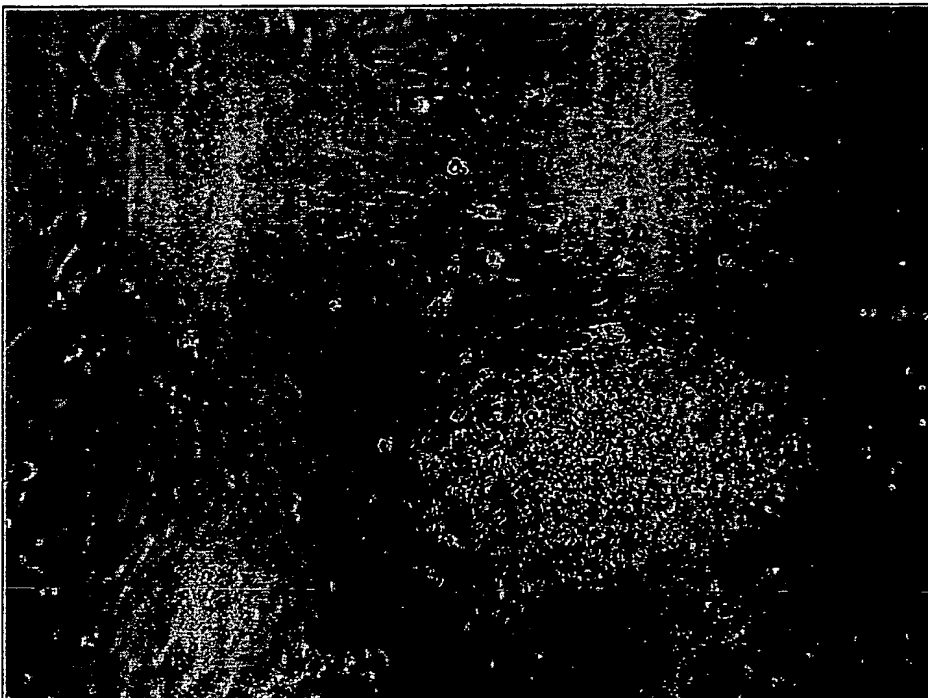
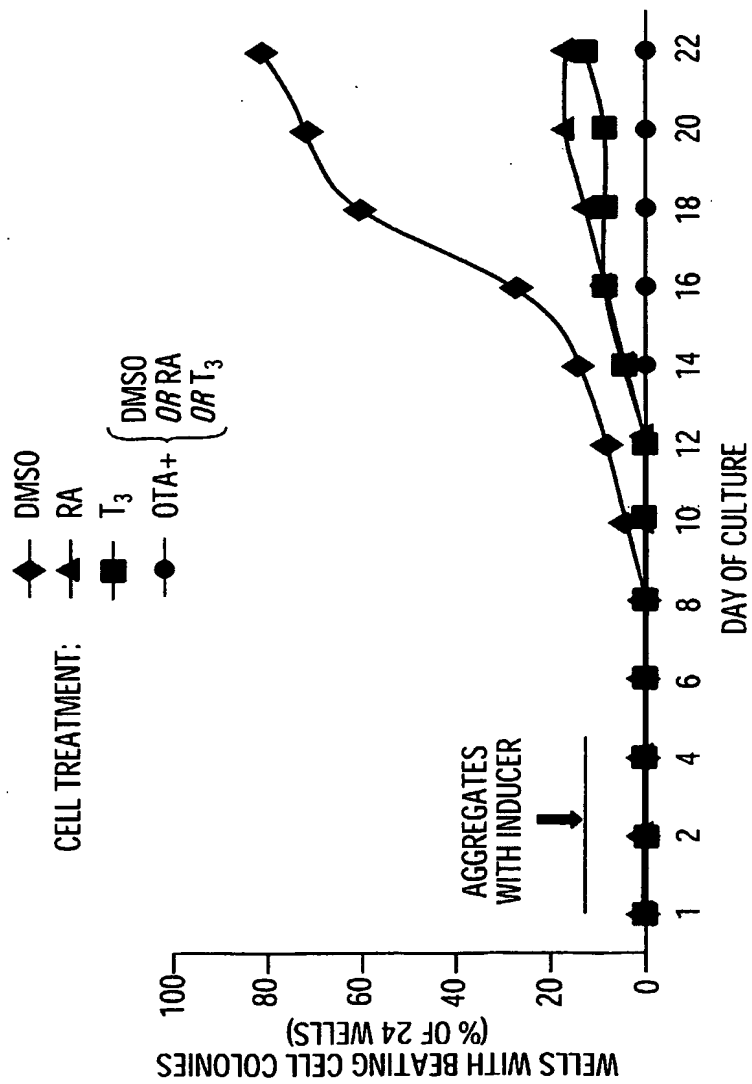
RA 10^{-8} M

FIG. 8A

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FIG. 9



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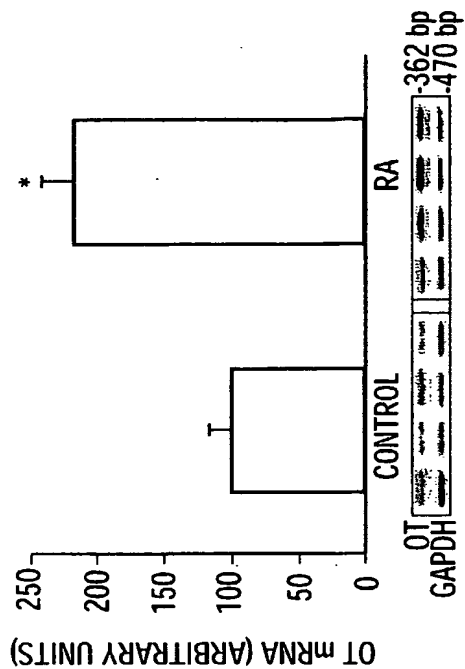


FIG. 10B

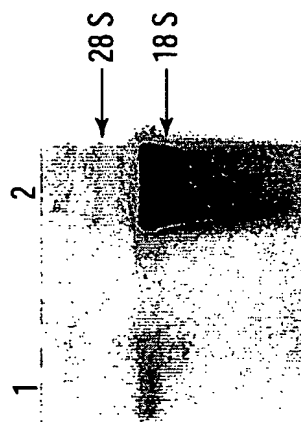


FIG. 10D

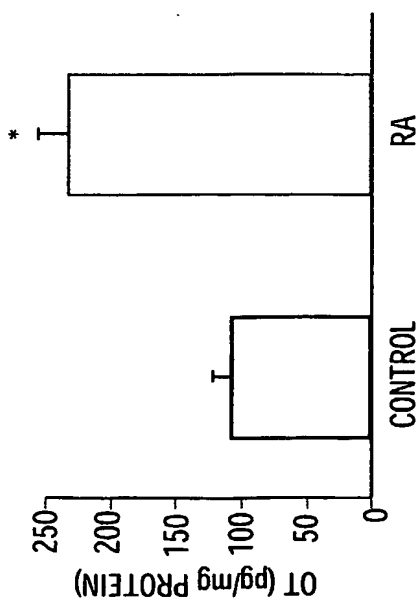


FIG. 10A

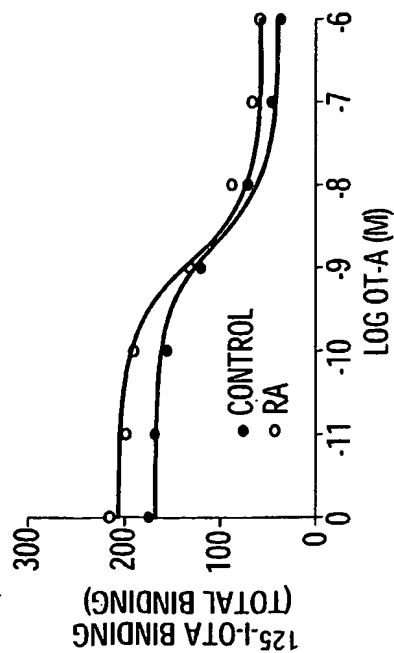


FIG. 10C

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Human oxytocin DNA and polypeptide sequences (Genbank
accession NM_000915)

Human OT DNA (SEQ ID NO:3):

```

1 accagtcacg gaccctggac ccagcgcacc cgcaccatgg ccggccccag cctcgcttgc
61 tgtctgctcg gectcctggc gctgacctcc gcctgctaca tccagaactg ccccttgga
121 ggcaagaggg ccgcgccgga cctcgacgtg cgcaagtgcc tcccctgcgg ccccgggggc
181 aaaggccgct gcttcggggc caatatctgc tgcgcggaag agctgggctg ctctgtgggc
241 accgccgaag cgctgcgctg ccaggaggag aactacctgc cgtcgccctg ccagtccggc
301 cagaaggcgt gcgggagcgg gggccgctgc gcggtcttgg gcctctgctg cagcccggac
361 ggctgccacg ccgacctgc ctgcgacgcg gaagccacct tctcccagcg ctgaaacttg
421 atggctccga acacctcga agcgcgccac tcgcttcccc catagccacc ccagaaatgg
481 tgaaaataaa ataaagcagg tttttctcct ct

```

Encoded polypeptide (SEQ ID NO:4):

MAGPSLACLLGLLALTSACYIQNCPLG GKRAAPDL DVRKCLPCGPGGKGRCFGNICCAEELGCFVGTAEALR
CQEENYLPSPCQSGQKACGSGGRCAVLGLCCSPDGCHADPACDAEATFSQR

human OT-encoding region (SEQ ID NO:5):

tgctaca tccagaactg ccccttgga

human OT peptide sequence (SEQ ID NO:6):

CYIQNCPLG

FIG. 11

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Human oxytocin receptor DNA and polypeptide
sequences (Genbank accession NM_000916)

DNA sequence (SEQ ID NO:7):

```

1  tgttaaggct  ctgggaccaa  cgctgggcga  accagctccg  ctccggaggg  gtctgcgcgg
61  ctggcctcgc  ccgcccccta  gcggaccctg  gcgatagtgc  agcctcagcc  ccaggcacag
121  cgccgcatcc  agacgccgtc  cgcgcgcgca  gcctgggagg  cgctcctcgc  tcgcctcctg
181  taccatcca  gcgaccagcc  aggtctgcgc  gaggggattc  caaccgaggg  tccagtgaga
241  gacctcagct  tagcatcaca  ttaggtgcag  ccggcaggcc  atcccaactc  gggccgggag
301  cgcacgcgtc  actggggccg  tcagtgcgcg  tgcaacttcc  ccggggggag  tcaactttag
361  gttcgcctgc  ggactcgggt  cagtgggaag  cgctgaacat  cccgaggaac  tggcagcgtg
421  ggggctctgg  gcttgtggcc  ggtagaggat  tcccgcctcat  ttgcagtggc  tcagaggagg
481  gtggaccagg  cagatccgtc  cgtggagtct  ccaggagtgg  agccccgggc  gccctacac
541  cctccgacac  gccggatccg  gccagccgc  gccaaagcgt  aaagggctcg  aaggccgggg
601  cgcaccgctg  ccgccagggt  catggagggc  gcgctcgag  ccaactggag  cgcgaggcca
661  gccaacgcca  gcgccgcgcc  gccgggggcc  gagggcaacc  gcaccgcgg  acccccgccg
721  cgcaacgagg  ccctggcgcg  cgtggagggt  gcggtgctgt  gtctcatcct  gctcctggcg
781  ctgagcggga  acgcgtgtgt  gctgctggcg  ctgcgcacca  cagccagaa  gcactcgcgc
841  ctcttcttct  tcatgaagca  cctaagcatc  gccgacctgg  tggaggcagt  gtttcagggt
901  ctgccgcagt  tgctgtggga  catcaccttc  cgcttctacg  ggcccgacct  gctgtgccgc
961  ctgggtcaagt  acttgcaggt  ggtgggcatg  ttgcctcca  cctacctgct  gctgctcatg
1021  tccctggacc  gctgcctggc  catctgccag  ccgctgcgct  cgctgcgcgc  ccgaccggac
1081  cgcttgccag  tgctcgccac  gtggctcggc  tgcttggtgg  ccagcgcgcc  gcaggtgcac
1141  atcttctctc  tgccgcaggt  ggctgacggc  gtcttcgact  gctgggcccgt  cttcatccag
1201  ccctggggac  ccaaggccta  catcacatgg  atcacgctag  ctgtctacat  cgtgccgggtc
1261  atcgtgctcg  ctacctgcta  cggccttatc  agcttcaaga  tctggcagaa  cttgcccgtc
1321  aagaccgctg  cagcggcgcc  ggccgaggcg  ccagagggcg  cggcggctgg  cgatgggggg
1381  cgcgtggccc  tggcgcggtg  cagcagcgct  aagctcatct  ccaaggccaa  gatccgcacg
1441  gtcaagatga  ctttcatcat  cgtgctggcc  ttcactggtg  gctggacgcc  tttcttcttc
1501  gtgcagatgt  ggagcgtctg  ggatgccaac  gcgcccgaag  aagcctcgcc  cttcatcatc
1561  gtcattgctc  tggccagcct  caacagctgc  tgcaaccctt  ggatctacat  gctgttcacg
1621  ggccacctct  tccacgaact  cgtgcagcgc  ttctgtgct  gctccgccag  ctacctgaag
1681  ggcagacgcc  tgggagagac  gagtgcagc  aaaaagagca  actcgctctc  cttgtcctg
1741  agccatcgca  gctccagcca  gaggagctgc  tcccagccat  ccacggcggt  acccaccagc
1801  cagggccagg  gctgcagcct  gaggtcagg  ctgtgctggc  ataagtgtct  tgctcctagg
1861  tgatggcgta  tgtttgtgta  taaggtagct  atcagtttgt  atccctcccc  tcttgggggt
1921  ggcttcagtg  ggggtggagag  tggcctccat  gatggaagat  gataggggac  tcagccatca
1981  gacaacaccc  tggcctccta  cacgtacttc  taccacctg  aacccactgc  tgccctgggc
2041  agtgagtggt  ttgttttttc  tctggacttc  gtaatttcac  tccagtatat  ttttacttct
2101  tcattctggg  atattgtgaa  aagcggtaaa  tataggattg  gtgaccaatt  gggtcaggaa
2161  gtccagtggt  ctggacttgg  ggtaagcagt  ggggttggga  cctcagatgg  gaagggtggt
2221  gctaagatcc  tcctgacctc  aaagtgtatt  tgcttctaag  cgaacaaatg  ctggggtcct
2281  tggggaccag  cttgtcagag  ggtagcccta  agagaagggg  attaccttgt  aagaccatct
2341  ggcgagtggt  acctattaga  acttgggtta  aaaatgttta  agaagctaag  gtttaagaag
2401  catttgaggaa  agaaaaagaa  ataaatgtat  ccagatagga  aaagaagaag  taaaactatt
2461  tgcagatgac  acagttttgt  atatagaaaa  tctaaggaa  ctcacacaca  cacacacaca
2521  cacacacgca  cacagctatt  agaactaata  agcaagttcc  gcaaggtttc  aagatacaag
2581  atcaatatac  aaaaatgaat  tgtatttctt  tatactagca  acaaacata  tgaaaacgaa
2641  gttaaataat  tccatttata  ataccatcag  aaagaataaa  ataggaatca  acttaacaaa
2701  acaagtgcaa  gactgaaaac  tacaaaattg  gaaagaaatt  aaagaaggct  taaataaatg
2761  gaaagacatc  ctgtgttcat  ggatcagact  tagtattgtt  aagatggcaa  tactatccta
2821  actgacatgc  agattcagtg  caatccttat  gaaaatcata  gctggctttt  ttacagaaat
2881  tgataagcta  gtoccaaata  tcataaagaa  atgcaaggga  ccagatatc  caataagcc
2941  ttgaaaaaga  acaagttgg  tggattcaca  cttcctgatt  tcataattta  cgataaagg
3001  aatcagctca  gtgtgttact  ggtttaagga  tagacatacg  gagcagaata  aagagtacag

```

FIG. 12

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```

3061 atatgaacac ttatacttac ggtcaattga tttttgacaa ggttcccaag acaattcaat
3121 agagaaagga gagtcttttc aacaaatggc accgagacaa tgatatgcaa gtgcaaaaga
3181 atgaggttgg acottttactc acactatgtg caaaaatcaa ctcaaaacgc atccaagatc
3241 taaatataag agctgaaact ataaaaatcct agaaagaaac ataggcatag atctttgtaa
3301 ccttgaatta ggagtggtt tcttagatat gataccaaag acacaagcaa ccaatggaaa
3361 aataggtaaa ttggacttaa tcaagatttg aagcttttgt gattgaaaag accctatcaa
3421 gaaggtgaaa agataacctg cagaatggga gaaaatattt gcgagtcata tatatgataa
3481 ggggcttgta tctggaatat ataaataaact cttataacac aacaataagg agaaaaataa
3541 atcaatttaa aaaatgggct aacggtttga atagacattt ctccaaagaa gatatgcaaa
3601 tggctactaa gcacatgaaa aataactcaac attattattc attagggaaa tgcaagtcaa
3661 aatcacaaatg agattccagt ttacaatcac taggatggct acaataaaaa gatggacaag
3721 aacgagtgtc ggtgaggatg tagagaaact ggtagaaatt taaattgttg gtgggaatgt
3781 aaatgggtgca cctgctttga aaaacagttt ggcagtagct caaaaagtta aacgtagagt
3841 gaccatatga cccaggaatg ccactcctag gtatttacc c aagagaaatg aaaacgtaca
3901 tacacacaaa aacttgttaca ccaatgttca tagcaacatt atttgttaata gccaaaaagt
3961 ggaaacaacc caaatgtcta ccaactgatg aatgggaaat aaaatgtggt ctgtccacgc
4021 aatggaacat tattagactc taaaaagaaa tgaagtactc acacatgcca caacatggat
4081 gagccttgaa aacttgctaa gtgaaagaag ccagggtgcaa aagcccacat attgtctgac
4141 tgcattgaaa tgcaatgtct aaaatggacg aatctatata gagtgaatat agattagcgt
4201 ttgccagggc ctggagggtg tgagagatga ggcattgacta ctaaggggtt ggggtttctt
4261 tttcgggtga tgaaaatggt cgaattagtg ggtgattgtg cacgattttg agaattgtact
4321 aaaaaccaat gaacttttaa aaataaaaat aaacaaa

```

Polypeptide sequence (SEQ ID NO:8):

```

MEGALAANWSAEANASAAPPGAEGNRTAGPPRRNEALARVEVAVLCLILLALSGNACVLLALRTTRQKHSRLFFF
MKHLSIADLVVAVFQVLPQLLWDITFRFYGPDLLCRLVKYLQVVGMFASYLLLLMSLDRLAICQPLRLRRRTDR
LAVLATWLGCLVASAPQVHIFSLREVADGVFDCWAVFIQPWGPKAYITWITLAVYIVPVI VLATCYGLISFKIWQNL
RLKTAATAAAAEAEPEGAAAGDGGRVALARVSSVKLISKAKIRTVKMTFIIVLA FIVCWT PFFVQMW SVWDANAPKEA
SAFII VMLLASLNSCCNPWIYMLFTGHLFHEL VQRFLCCSASYLKGRR LGETSASKKSNSSSFVLSHRSSQ RSCSQ
PSTA

```

FIG. 12
(CONTINUED)

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